U. S. DEPARTMENT OF COMMERCE
WEATHER BUREAU

GEOSTROPHIC WIND SCALE - CONSTANT PRESSURE SURFACES
POLAR STEREOGRAPHIC PROJECTION, TRUE AT LATITUDE 60°
SCALE: 1:30,000,000 - d.S = 200

VELOCITY MPH
10 12 15 20 30 40 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125

30° 35° 40° 45° 50° 55° 60° 65° 70° 75° 80° 85° 90°

SYNOPTIC WEATHER MAP
NORTHERN HEMISPHERE
500 MB 0400 GMT

SEP 21 1945

UPPER AIR STATION MODELS	
RAOB STATION	FLIGHT REPORT
TT	TT
○ HHH	□ HHH(ZZ)
$T_D T_D$	

SCALE OF STATUTE MILES AT VARIOUS LATITUDES
SCALE 1:30,000,000
POLAR STEREOGRAPHIC PROJECTION: TRUE AT LATITUDE 60°

W.B. 1677 DECEMBER 1953

GEOSTROPHIC WIND SCALE

ISOBARIC INTERVAL 3 MB — SEA LEVEL DENSITY

25° 30° 35° 40° 45° 50° 55° 60° 70° 80°

BEAUFORT SCALE IN ITALICS
VELOCITY (M.P.H.)

LATITUDES

DEPARTMENT OF COMMERCE · UNITED STATES OF AMERICA

WEATHER BUREAU

ANALYSIS EXTRAPOLATED AND INTERPOLATED

SYNOPTIC WEATHER MAP
NORTHERN HEMISPHERE
SEA LEVEL 1230 GMT

SEP 21 1945

STATION MODEL

LAND STATIONS	SHIP STATIONS
$\frac{ff}{TTdd}\ \frac{C_H}{C_M}\ PPP$	$\frac{ff}{TTdd}\ \frac{D_S v_S}{C_M}\ PPP$
$VVww\ \textcircled{N}\ \pm ppp$	$VVww\ \textcircled{N}\ \pm ppp$
$T_dT_dC_LN_hW_Rt$	$T_dT_dC_LN_hW_Rt$
$h\ RR$	$(T_sT_s)\ h$

SCALE OF STATUTE MILES AT VARIOUS LATITUDES
SCALE 1:30,000,000
POLAR STEREOGRAPHIC PROJECTION, TRUE AT LATITUDE 60°

W.B. 1677 DECEMBER 1953